

Claims Listing:

The listing of pending claims 22-50 as set forth supercedes all previous claims listings.

22 (currently amended) A method for transferring source data from a server at least one client, said method comprising steps of:

transforming said source data into a hierarchical representation comprising a plurality of coefficients, said hierarchical representation comprising a plurality of levels of essentially non-redundant data, wherein a level of said hierarchical representation comprises transform data sufficient to reconstruct said source data at a resolution corresponding to said level;

requesting, from a client to a server, coordinates of coefficients of said transform data from a level of said hierarchical representation necessary to reconstruct at least a portion of said source data;

transferring, from said server to said client, $O(N)$ coefficients to represent "N" pixels from said hierarchical representation requested by said client; and

transforming, at said client, said coefficients to generate pixels of said portion of said source image data for display at said client.

23 (Previously Presented)

24 (Previously Presented)

25 (Previously Presented)

26 (Previously Presented)

27 (Previously Presented)

28 (Previously Presented)

29 (Previously Presented)

30 (Previously Presented)

31 (Previously Presented)

32 (Previously Presented)

33 (currently amended) A computer comprising electronic circuits and a set of computer instructions, or software, which software drives the electronic circuits during normal computer operation in order to , wherein said set of computer instructions operates upon, transforms, receives and reconstructs at least a portion of source data, said software comprising:

requesting software for requesting transform data necessary to reconstruct at least a portion of source data, said transform data generated from said source data using a wavelet transform with fixed point kernels, said hierarchical representation comprising a plurality of levels of essentially non-redundant data, wherein a level of said hierarchical representation comprises transform data sufficient to reconstruct said source data at a resolution corresponding to said level;

receiving software for receiving, in response to said request, said transform data requested by said client; and

re-constructing software for re-constructing, said portion of said source image for display on said data with said transform data.

34 (currently amended) The computer as set forth in claim 33, further comprising:

hierarchical request software for requesting, from another computer, transform data from said hierarchical representation necessary to reconstruct a new portion of said source data;

incremental receiving software for receiving, from another computer, additional transform data and said transform data originally transferred, whereby only incremental transform data necessary to construct said new portion of said source data at said client is received.

35 (Previously Presented)

36 (Previously Presented)

37 (Previously Presented)

38 (Previously Presented)

39 (Previously Presented)

40 (Previously Presented)

41 (Previously Presented)

42 (Previously Presented)

43 (Previously Presented)

44 (Previously Presented)

45 (Previously Presented)

46 (Previously Presented)

47 (Previously Presented)

48 (Previously Presented)

49 (Previously Presented)

50 (Previously Presented)